

Application/Control Number: 10/070,554

Page 2

Art Unit: \*\*\*

Clmpto

October 27, 2004

C.P.

Art Unit: \*\*\*

1. (Currently Amended) An electrical circuit board comprising:  
X wiring lines and Y segmented wiring lines, each of the wiring lines being formed of a same conductive metal film and in a same plane on an insulating substrate and the Y segmented wiring lines intersecting with the X wiring lines, lines and being severed by the X wiring lines at the intersections with the X wiring lines, and being distanced spaced apart from the X wiring lines;  
wherein top and side surfaces of the X wiring lines are covered with an insulating film; and  
segments of each of the Y segmented wiring lines are electrically connected together by a Y segmented wiring line-connecting electrode formed on the insulating ~~film~~ film, the Y segments being spaced apart by the X wiring lines and the covering insulating film; wherein  
the insulating film covering the side surfaces of the X wiring lines is an insulating metal oxide film formed by oxidizing the side surfaces of the X wiring lines.

2. (Cancelled)

3. (Currently Amended) The electrical circuit board according to claim 2, 1, wherein the insulating metal oxide film is an anodic oxide film formed by oxidizing the side and top surfaces of the X wiring lines by anodic oxidation.

CLAIMS 4-101 CANCELLED

102. (New) An electrical circuit board comprising:

X wiring lines and Y segmented wiring lines, each of the wiring lines comprising a same conductive metal film and in a same plane on an insulating substrate and the Y segmented wiring lines intersecting the X wiring lines and being severed at the intersections with the X wiring lines and spaced apart from the X wiring lines;

wherein top and side surfaces of the X wiring lines are covered with an insulating film of an oxide of said same conductive metal;

wherein segments of each of the Y segmented wiring lines are electrically connected together by a Y segmented wiring line-connecting electrode formed on the insulating film, the segments being spaced apart by the X wiring lines and the covering insulating metal oxide film.

103. (New) The electrical circuit board according to claim 102, wherein the insulating metal oxide film is an anodic oxide film on the top and side surfaces of the X wiring lines.